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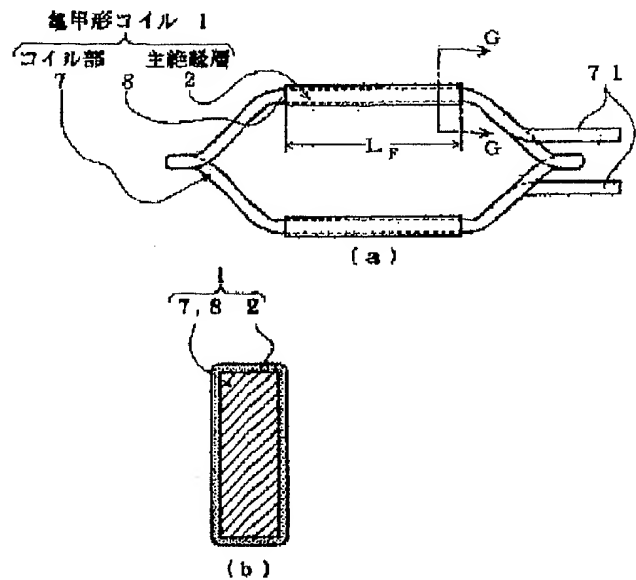
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APPLICANT : FUJI ELECTRIC CO LTD;

INVENTOR : TAKEDA MASAHIRO;

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TITLE : COIL FOR DYNAMO-ELECTRIC MACHINE



ABSTRACT : PROBLEM TO BE SOLVED: To improve an execution method using an electric insulating material by forming an electric insulating layer by employing a resin admixture, in which one kind or a plurality of kinds of electric insulating fillers formed in a granular shape, a scaly shape, etc., are mixed into a liquefied resin material.

SOLUTION: A main insulating layer 2 is formed by coating a liquefied resin such as an epoxy resin with a resin admixture obtained by mixing one kind or a plurality of kinds of electric insulating fillers formed in a granular shape, a scaly shape, etc., while covering the section in length L_F of a coil section 7. Since the main insulating layer 2 is formed directly on the surface of a strand solidifying treating section 8 by using the resin admixture, even air gaps are also filled with the resin admixture even when the air gaps remain in the strand solidifying treating section 8. Consequently, the air gaps can be filled simultaneously with the resin admixture in a process in which the main insulating layer 2 is formed. Accordingly, high electric insulating performance can be obtained stably while the long-term reliability of electric insulating performance is improved in the main insulating layer 2.

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